IN THE SPECIFICATION

Please replace the paragraph comprising lines 16-19 of page 1, with the following:

This ~~object is~~ and other objects are achieved by, e.g., (1) a data processing device with the ~~features as claimed in claim 1~~ a memory including measurement data describing an observed progressive propagation of a medium in a vessel system, the data processing device preferably being equipped so as to be able to reconstruct, from measurement data, one or more model propagations of a medium in a vessel system such that in the vessel system: (i) a difference between an observed propagation and a model propagation is minimal, and (ii) a model propagation is monotonously progressive, ~~by~~ (2) an assembly with ~~the features as claimed in claim 8~~ an image-generating device for generating images of a vessel system, from which measurement data describing the progressive propagation of a medium may be obtained, and a data processing device, such as just herein, for reconstructing current flow in a vessel system, and by (3) a method ~~with the features as claimed in claim 10~~ including at least the steps of: (a) obtaining measurement data (m_i) describing an observed progressive propagation of a medium in a vessel system, (b) reconstructing a model propagation (t_i) of a medium in a vessel system such that: (i) a difference between an observed propagation and a model propagation is minimal, and (ii) a model propagation is monotonously progressive. Advantageous, exemplary embodiments are ~~contained in the dependent claims~~ herein described.